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# QUARTERLY BULLETIN

OF THE

INTERNATIONAL ASSOCIATION OF AGRICULTURAL  
LIBRARIANS & DOCUMENTALISTS

Vol. II

January 1957

No. 1

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QUARTERLY BULLETIN  
OF THE  
INTERNATIONAL ASSOCIATION OF AGRICULTURAL  
LIBRARIANS & DOCUMENTALISTS

BULLETIN TRIMESTRIEL DE L'ASSOCIATION  
INTERNATIONALE DES BIBLIOTHECAIRES  
ET DOCUMENTALISTES AGRICOLES

VIERTELJAHRSSCHRIFT  
DER INTERNATIONALEN GESELLSCHAFT  
LANDWIRTSCHAFTLICHER BIBLIOTHEKARE &  
DOKUMENTALISTEN

BOLETIN TRIMESTRAL  
DE LA  
ASOCIACION INTERNACIONAL  
DE BIBLIOTECARIOS Y DOCUMENTALISTAS AGRICOLAS

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## IAALD's FIRST YEAR

37 Since its foundation meeting in September, 1955, IAALD has made  
38 considerable progress - more progress, at any rate, than the pessimists  
39 predicted, if less than the optimists hoped. About 60 delegates from  
thirteen different countries attended the birth, at Ghent, of the new  
organization whose purpose is to promote, internationally and nation-  
40 ally, agricultural library science and documentation, as well as  
professional interests of agricultural librarians and documentalists,  
the term 'agriculture' being interpreted in the widest sense, so as to  
48 include forestry, agricultural engineering, veterinary sciences, fishe-  
ries, food and nutrition, agricultural and food industries, etc. Now,  
54 after just over a year, it can point to 180 members from 35 countries,  
55 recorded on page 9 below, and may reasonably be considered to have  
been successfully weaned. There is, however, no cause for compla-  
cency. Well over one thousand copies of the first issue (January  
1956) of this *Quarterly Bulletin* were sent out to agricultural and  
kindred libraries throughout the world, in order to make people  
aware of the existence of IAALD and persuade them to join it; but  
fewer than 20 per cent of those who received the *Bulletin* decided to  
support the Association by taking up membership. In fact even now  
a number of libraries which, one would have thought, would be  
eager to join our Association and active in supporting it, have not  
applied for membership nor even acknowledged the receipt or the  
existence of the *Bulletin*. For this reason it has been decided to  
make a second, but less far-flung, gratis distribution of our *Bulletin*,  
and this issue—the first in printed, as opposed to mimeographed,  
form—is being sent to about 600 libraries or documentation centres  
which, we think, would both profit from membership and have a  
valuable contribution to make to our Association. (The annual sub-  
scription to IAALD is: for libraries 50 Swiss francs [\$ 12.50 or  
£4.2s.6d], for individuals 10 Swiss francs [\$ 2.50 or 16s.6d.], pay-  
able to the Treasurer, Mr. Th. P. Loosjes, at the Twentse Bank,  
Wageningen, Netherlands. Members receive this *Bulletin* free of  
charge.)

In order to further its aims, as described above, IAALD set up  
working committees, five in number, which concern themselves with  
the production of the *Bulletin*, bibliography of agriculture and allied  
subjects, classification, exchange of publications, and professional  
and educational problems. The progress of these working commit-  
tees was among the subjects discussed at a meeting of the Executive  
Committee of IAALD at Munich last September. As regards the

*Bulletin*, it was decided to abandon the mimeographed format in which the first volume appeared, and to make provision for non-members (for example, booksellers) to subscribe to it at an annual rate of 50 Swiss francs (\$ 12.50 or £4.2s.6d).

The publications programme of the Association was discussed at the same meeting. The first project to be taken in hand by the IAALD is the preparation and issue of a *World Directory of Agricultural Libraries and Documentation Centres*, in succession to the Directory produced by the International Institute of Agriculture, Rome, just before the second World War. An estimate of the cost of the new Directory is being prepared and it is hoped to start work on it early in 1957. It will be of a similar type to its 1939 predecessor, but will, in the interests of economy, be presented in one language (English) instead of two. Another useful work of reference which is under consideration is an *Annotated List of Current Bibliographies in Agriculture and Related Subjects*. Work on this, however, will not be started until it is seen how far the ground has been covered by two forthcoming books, *Die Bibliographien des Landbaues*, by Rudolf Lauche, and *Sources for Agricultural Research*, by J. R. Blanchard and H. Ostvald.

The revision of existing classification schemes in agriculture is a task which falls within the field of activity of IAALD. It was discussed at Munich and will continue to be considered by the Working Committee on Classification. The question of resuming the *International Bibliography of Agricultural Economics* also came under consideration, but no final decision was reached.

International contact and co-operation between librarians and documentalists in agriculture and related subjects has already been promoted to a gratifying extent by our Association. In particular, many members who were present at the Ghent meeting have found that the personal contacts made there have remained of practical value since. The list of members given below (page 9) will, it is hoped, enable members to broaden their international contacts and to render each other valuable assistance in the solution of practical problems. The lay-out of this *Bulletin* has changed little since its inception a year ago. But the Editor would always welcome letters suggesting improvements, new features, and so on; these letters may be either personal to him or for publication in the *Bulletin*. He would like, furthermore, to take this opportunity of recommending that members should make wider use of the 'Exchange: Offers and Requests' section. For instance, members will find that there is a good chance of obtaining out-of-print books or issues of journals from other members of the Association, if they insert in this section a note of what they require.

In conclusion, the Editor welcomes this opportunity of thanking,

once more, those Regional Correspondents who regularly send in information for publication in the *Bulletin*. They play a vital part in making it a reliable and up-to-date vehicle of bibliographical news. When the Association is joined by a library or individual in a country not hitherto represented in IAALD's membership, the new member is asked if he will act as a Regional Correspondent for his area. It is hoped that in this way, as more and more countries are represented in our membership, the coverage of this *Bulletin* will gradually become universal.

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## THE SCOPE OF NATIONAL BULLETINS ON AGRICULTURAL LIBRARY WORK AND BIBLIOGRAPHY

BY

S. VON FRAUENDORFER (VIENNA)

Practically all professions and sub-professions have nowadays their own journals and bulletins. IAALD was, therefore, well advised to consider from the very beginning the publication of a bulletin which has just completed its first year. There is little doubt of the usefulness of such an international organ, which serves as an information bulletin for the Association and as a link between colleagues from different countries.

Is there, in addition to our *Quarterly Bulletin*, scope for national news bulletins on agricultural library and documentation work? Do national bulletins which serve primarily the librarians of a specific country or a group of countries exist and do they serve a useful purpose? First of all, I remember with pleasure the excellent *Agricultural Library Notes* which were started in 1926 and published by the late Miss Claribel R. Barnett, former head of the U.S. Department of Agriculture Library, a librarian of the highest professional and human qualities, whose memory is dear to all who knew her. She was, by the way, the President of the former "Comité International de Bibliothécaires Agricoles", predecessor of IAALD.

Little is known about other publications of a similar kind. I remember only the nice printed periodical issued by our Spanish colleagues called *Boletín bibliográfico agrícola* issued by the Ministry of Agriculture in Madrid (Sección de Capacitación de la Dirección General de Coordinación, Crédito y Capacitación Agraria) and the *Suplemento bibliográfico de Turrialba*, Costa Rica, which serves Latin America. Of course, this small list could be easily expanded if we were to include bibliographical bulletins in the ordinary sense, giving title lists of books or indexing periodicals and nothing else.

I firmly believe that agricultural library bulletins of national scope should go a little farther than purely bibliographical title lists. Perhaps I may be permitted to illustrate my point by means of a quarterly bulletin for which I am personally responsible and which I started in 1948. It is called *Schrifttum der Bodenkultur* and is published as an appendix to *Die Bodenkultur*, the scientific journal of the Agricultural College in Vienna, Austria, but also as an inde-

pendent quarterly bulletin. It originated in a period when contacts with foreign countries were extremely difficult to establish and when library funds in Austria were very limited. The main idea was to establish a link with agricultural research and documentation abroad, to inform Austrian readers about important developments in other countries and to provide foreign institutions at the same time with information on Austrian book production and scientific work.

Besides giving bibliographical information in the form of title lists of new books (Austrian and foreign), it was thought necessary to index Austrian agricultural periodicals as fully as possible and to give a selection of articles contained in foreign journals of a scientific character. Of course, in this second case strict limitation was necessary, and therefore, for practical reasons, only those publications were included which were thought to be of particular practical interest under Austrian farming conditions. A certain preference was given—also for obvious reasons—to publications in German. A further feature of *Schrifttum der Bodenkultur* is the inclusion of specific lists of doctoral dissertations and theses, both of the College of Agriculture in Vienna and of other Austrian and Swiss universities and colleges. Of course, only those theses are selected which treat of agricultural and related subjects. Since material of this kind is often overlooked and difficult to trace in normal bibliographies, we feel that our lists, which supplement the bigger lists of dissertations for Germany and other countries, furnish useful information. *Schrifttum der Bodenkultur* also includes signed book reviews contributed mostly by faculty members of the Hochschule. Of course, completeness cannot be even dreamed of. However, an attempt is made to select publications of special interest both to Austrian and to foreign readers. I confess that at the beginning a selfish secondary purpose was influential in establishing a book review section, because in this way during a period of extreme financial shortage the Library was able to get review copies free of charge. This difficult period is now past. But the book notes are still published and we hope that they too are appreciated by readers.

But our bulletin is not limited to bibliographical efforts in the narrower sense. We try to start each number with one or more original articles of specific interest to the agricultural library world and to research workers as well. A short list of some typical articles we have published in the last few volumes will explain the type of

#### NOTE

*Schrifttum der Bodenkultur* is published quarterly, the 9th volume beginning with the issue for July 1956. The annual subscription is: Austrian Schillings 35.—, US \$ 1.50, Swiss francs 6.50, or the equivalent in other currencies. Apply to: Georg Fromme, Wien-V./Spengerg. 39. A free sample copy will be sent to all members of IAALD early in 1957.

material we include: "The Agricultural Periodical Press of the United States"; an article on the foundation of IAALD; "Agricultural Documentation in France" (M. D. KERVÉGANT); "The Agricultural Publications of OEEC, Paris"; "The Problem of Indexing Periodicals (S. v. FRAUENDORFER); "The Dutch Agricultural Documentation Centre in Wageningen" (W. G. GLEISBERG); "The West German AID (Land- und hauswirtschaftlicher Informationsdienst) as a Documentation Service"; "Documentation and Scientific Research (S. v. FRAUENDORFER); "Survey of the Russian Agricultural Press" (I. MEISSNER); "Coordination of Agricultural Research in the British Commonwealth"; "Periodicals and Bibliographies in Nutrition Research" etc.

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## REFLECTIONS ON AN AGRICULTURAL ECONOMICS ABSTRACTING SERVICE

BY

LARS FRYKHOLM (UPPSALA)

The literature of most agricultural topics is abstracted in current abstracting journals. Abstracts are, however, missing for agricultural economics, as for agricultural history and sociology. The general economic abstracts list only a small part of the agricultural economics literature.

The Commonwealth Agricultural Bureaux in England, publishers of the most important agricultural abstracting services, decided in 1950, in principle, on the establishment of a bureau of agricultural economics. In 1955 the question was indefinitely postponed. The Ninth International Conference of Agricultural Economists, held at Helsingfors 1955, discussed the problem and referred it to further study (proceedings not yet published).

There are, of course, many more general problems to be solved, before an agricultural economics abstracting service of true international scope can be started. Two problems of special nature will be mentioned here.

Agricultural economics research does not possess the same international significance as agricultural research in general. Hence it follows that the need for an international reference service is not as great as in some other fields. There is no point in making scientific results of predominantly local interest available to an international public.

A second difficulty is the determining of the limits. There are many publications which are of great interest to the economist, although the author may not be an economist nor the contents primarily of agricultural economics interest. The existing abstracting services often include publications in agricultural economics, although they are, in principle, limited to applied natural science.

One cannot expect that the problem of an international agricultural economics abstracting service will be solved in the near future. A substitute may therefore be discussed, namely a register of abstracts and reviews of agricultural economics literature, covering a selected range of journals. This selection might include, for instance, the more representative general agricultural journals of the different countries, the most important general agricultural journals, the special regional agricultural abstracts, the agricultural economics journals, and the more important agricultural abstracts.

## NOTES ON THE FORESTRY LIBRARY OF THE UNIVERSITY OF HELSINKI, FINLAND

BY

ARVO SEPPÄLÄ (HELSINKI)

Forestry, which is especially important for the economic life of the Finnish nation, has been taught in Finland for the last hundred years. With that view in mind, a forestry school was established in the early eighteen-sixties in the district of Evo, about one hundred kilometres North of Helsinki. From this time dates the oldest part of the book collection of the Forestry Library of the University of Helsinki. Thus in a few years the library will be a hundred years old. Since 1909 instruction in forestry has been given at the University of Helsinki, and in the same year the book collection was transferred from Evo to Helsinki. As a centre for research and teaching forestry, the Forestry House was built in Helsinki just before the second World War. The Forestry Library is situated in this building where it occupies 1200 square metres. It has three reading rooms, one for periodicals, one for studying and one for advanced students. In these rooms there are in all sixty-three seats. In addition there is a hall for catalogues and the loan counter, nine rooms for the library staff and research workers. The stacks contain altogether 2500 metres of steel shelves in three stories.

The Forestry Library is supported by state grants. The book stock, which consists of approximately 60,000 volumes, is available to all interested persons. In the field of forestry it functions as the central library in the country, carrying out, in addition to the usual lending & reference work, interlibrary loans both at home and abroad, and documentation.

The library's own publications consists of the Library News, which is issued twice a year in printed form, and an annual duplicated list of all periodicals and serials received in the library (these amount to about 700). The exchange of publications is arranged through the Forestry Society of Finland, which publishes *Acta Forestalia Fennica* (founded 1909) and *Silva Fennica* (founded 1926). Literature received in exchange comes to the Forestry Library of the university, where the collection of the Society has been deposited since its foundation in 1909. The exchange of the Society's publications is on a world-wide scale and is continuously increasing. Requests for exchange of publications should be addressed to the Forestry Society of Finland, Unioninkatu 40B, Helsinki. The Forestry Library, which has the same address, will gladly answer inquiries concerning all forestry literature of Finland.

## COMMUNICATIONS TO MEMBERS

### LIST OF MEMBERS OF I.A.A.L.D.

(1 December 1956)

#### Africa (British)

##### *Gold Coast*

Department of Soil & Land Use Survey, Private Mail Bag,  
Kumasi.

##### *Kenya*

Librarian, Department of Agriculture, P.O. Box 30028, Nairobi.

##### *Nigeria*

Library, University College, Ibadan.

C. W. S. Hartley, Esq., Director, W. African Institute for Oil  
Palm Research, near Benin City.

##### *Rhodesia*

Librarian, Tobacco Research Board of Rhodesia & Nyasaland,  
PO Box 1909, Salisbury.

#### Africa (Union)

##### *Pretoria*

Bibliotekaris, Sentrale Biblioteek, Departement van Landbou,  
Privaatsak 16.

#### Argentina

##### *Buenos Aires*

Sr. H. Gravenhorst, Bibliotecario, Facultad de Agronomia y  
Veterinaria, Avenida San Martin 4453.

#### Australia

##### *Brisbane*

Librarian, Department of Agriculture & Stock.

##### *Griffith*

The Secretary, C.S.I.R.O. Irrigation Research Station.

##### *Melbourne*

Chief Librarian, C.S.I.R.O., 314, Albert Street.

Librarian, Department of Agriculture, Treasury Gardens.

*Vienna*

Agricultural Information Service, Austrian Productivity Centre,  
Renngasse 5.  
Librarian, Hochschule für Bodenkultur, Gregor-Mendelstr. 33,  
XVIII/110.

**Belgium**

*Ghent*

The Library, Rijkslandbouwhogeschool, Coupure-links 233.  
Library, Rijksstation v. Entomologie, Coupure-links 233.  
Rijksstation voor Kleinveeteelt, Dorp, 5 Gontrode.  
Library, Rijksstation v. Plantenziekten, Coupure-links 233.  
Library, Rijksstation v. Sierplantenveredeling, Coupure-links  
233.  
Library, Rijksstation v. Plantenveredeling, Lemberge-Gent.  
Library, Centrum v. Grasland- & Groenvoederonderzoek, Melle-  
Gent.

**Brazil**

*Rio de Janeiro*

Instituto Brasileiro de Bibliografia e Documentação, Av. General  
Justo 171 - 4º andar.

**Bulgaria**

*Sofia*

State Library 'Vassil Kolarov', Blvd. Tolbukhin, 11.

**Burma**

*Rangoon*

Dr. Kaung Zan, Assistant Director of Agriculture, Munnee's  
Bldg, Shafraz Rd.

**Canada**

*Quebec*

The Library, Macdonald College.

*Victoria*

Forest Service Library, B.C. Forest Service, Parliament Bldgs.

*Winnipeg*

Librarian, Periodicals Dept., University of Manitoba Library.

**Ceylon**

*Peradeniya*

Librarian, Department of Agriculture.

China

*Taiwan*

Mr. Y. S. Tsiang, Agricultural Association of China, 14 Weng-Chow Street, Taipei.  
Dean's Office, College of Agriculture, National Taiwan University, Roosevelt Rd., Taipei.

Costa Rica

*Turrialba*

Miss Angelina Martinez, Librarian, Inter-American Institute of Agricultural Sciences, Box 6 Instituto.

Czechoslovakia

*Bratislava*

Central Library of Slovak Academy of Sciences, Klemensova 27.

Denmark

*Copenhagen*

Library, Royal Veterinary & Agricultural College.

Finland

*Helsinki*

M. Arvo Seppälä, Vuorikatu 22C.  
Forestry Library, University of Helsinki.  
Miss Majlis Tulander, Nevandrog 8.  
Helsingin Yliopiston, Maatalouskirjasto, Hallitusk. 3.

*Tikkurila*

Maatalouskoelaitoksen Kirjasto.

France

*Paris*

Commission Internationale des Industries Agricoles, 18 Avenue Villars, VIIe.  
Mme. G. Duprat, Bibliothécaire, Muséum National d'Histoire Naturelle, 36 rue Geoffroy-Saint-Hilaire, Ve.  
M. Fargette, Fédération Nationale des Producteurs de Plants de Pommes de Terre, 14, rue Cardinal Mercier, IXe.  
Bibliothèque, Institut des Fruits et Agrumes Coloniaux, 6 rue du Général Clergerie, XVIe.

*Versailles*

M. D. Kervégant, Directeur, Service de Documentation, Institut National de la Recherche Agronomique.

## Germany

### *Darmstadt*

Dr H. Ertel, Rheinstr. 91.

### *Berlin*

Herr H. Mundt, Bibliotheksleiter, Versuchsanstalt für Getreideverwertung, Seestr. 11, Berlin N 65.

Dr. J. Bärner, Bibliotheksleiter, Biologische Bundesanstalt für Land- & Forstwirtschaft, Berlin-Dahlem.

### *Bonn*

Dr. R. Kob, 14 Lessingstr., Beuel bei Bonn.

### *Braunschweig*

Forschungsanstalt für Landwirtschaft, Bundesallee 50.

Dr. J. Krause, Bibliothekar, Biologische Bundesanstalt f. Land- und Forstwirtschaft, Messeweg 11-12.

Prof. Dr. R. Lauche, Bibliothekar, Zentralbücherei, Braunschweig-Völkenrode.

### *Giessen*

Institut für Tierzucht & Milchwirtschaft, Justus Liebig Hochschule, Bismarckstr. 16.

### *Hamburg*

Prof. Dr. W. Gleisberg, Willinghusen, Post Barsbüttel.

### *Reinbek*

Prof. Dr. J. Weck, Geschäftsführender Direktor, Bundesforschungsanstalt für Forst- & Holzwirtschaft, Bez. Hamburg, Schloss.

## Haiti

### *Port-au-Prince*

M. R. Lespinasse, Bibliothécaire, Département de l'Agriculture.

## Irish Republic

### *Dublin*

Albert Agricultural College, Ballymun Rd., Glasnevin.

Miss M. Burke, Librarian, Department of Agriculture.

## Israel

### *Rupin*

Librarian, Rupin Institute of Agriculture, P.O.: Hamidrasha Lehaklauth.

### *Jerusalem*

Jewish National & University Library.

## Italy

### *Bologna*

Techna Promotion Dept., Casella Postale N. 503.

Dott. C. Tellarini, Techna Promotion Dept., Casella Postale N. 503.

Mrs. G. Tellarini, Techna Promotion Dept., Casella Postale N. 503.

### *Firenze*

Biblioteca, Istituto Agronomico per l'Oltremare, Via Leonardo Fibonacci, 13.

### *Milan*

Dr. Ing. L. Gusoni, Librarian, Centro di Studi per l'Ingegnaria Agraria, Corso Venezia 35.

### *Roma*

Prof. Vittorio Camerani, Via Serpieri 13.

Miss Kristine Lomsdal, Via Trinità dei Pellegrini no. 1.

## Malaya

### *Kuala Lumpur*

Library, Department of Agriculture.

## Mexico

### *Mexico*

Agricultural Library, Rockefeller Foundation, Calle Londres 40.

Miss D. Parker, Librarian, Agricultural Library, Rockefeller Foundation, Calle Londres 40.

## Netherlands

### *Amsterdam*

De Heer J. M. van de Heuvel, van Breestraat 112b.

Royal Tropical Institute, 63 Mauritskade.

Ir. A. W. Swets, Keizersgracht 471.

### *Arnhem*

Librarian, Institute for Biological Field Research, Kemperbergerweg 11.

### *Ede*

Ir. J. L. Liebert, Amsterdamse Weg 60.

### *Groningen*

Dr. L. S. Meihuizen, Grote Markt.

Library, Landbouwproefstation & Bodemkundig Instituut TNO, van Hallstr. 3.

*The Hague*

Library, Ministry of Agriculture. . . , Bezuidenhoutseweg 30.

*Wageningen*

Librarian, Division of Silviculture & Forest Protection in the Temperate Zone, Agricultural College.

Agricultural College, Gen. Foukesweg 1A.

Dr. S. Broekhuizen, Stichting Ned. Graan-Centrum, Emma-park 31.

Centrum voor Landbouwdocumentatie, General Foukesweg 1A.

Library, Instituut voor Plantenveredeling, Nude 66.

Library, Instituut voor Veredeling Tuinbouwgewassen, v. Mansholtlaan.

Stichting v. Bodemkartering, P.O. Box 37.

Dr. H. V. Vloten, Director, Bosbouwproefstation TNO, Post-box 23.

**New Zealand**

*Palmerston North*

Library, Massey Agricultural College, Univ. of New. Zealand.

**Norway**

*Vollebekk*

The Library, Agricultural College of Norway.

**Portugal**

*Lisbon*

Director-General, Biblioteca da Direcção-Geral dos Serviços Pecuarios, Rua Victor Gordon 4-3°.

**Sweden**

*Alnarp*

Alnarps Lantbruks- Mejeri- och Trädgårdsinstitut.

*Malmö*

Svenska Sockerfabriks Aktiebolaget, Postbox 258.

*Stockholm*

Jordbrukets Utredningsinstitut, Box 803.

Kungl. Veterinärhögskolan.

Skogsbiblioteket.

*Svälof*

Sveriges Utsädesförening Biblioteket.

*Uppsala*

Kgl. Lantbrukshögskolan.

Miss A. Guillemot, Kungl. Lantbrukshögskolan Biblioteket.



### Switzerland

#### *Brugg*

Bibliothek, Schweizerisches Bauernsekretariat.

#### *Lausanne*

M. le Chef du Service de Bibliothèque, Federal Agricultural Research Stations.

#### *Zurich*

The Library, Eidg. Technische Hochschule, Leonhardstr. 33.

### United Kingdom

#### *Aberdeen*

Librarian, Commonwealth Bureau of Animal Nutrition, Reid Library, Rowett Research Institute, Bucksburn.

Librarian, North of Scotland College of Agriculture, 41<sup>1</sup>/<sub>2</sub> Union Street.

#### *Bourn, Cambs*

Fisons Pest Control Ltd.

#### *Cambridge*

Librarian, National Institute of Agricultural Botany, Huntingdon Road.

Library, School of Agriculture, Downing Street.

#### *East Malling*

Librarian, Research Station, nr. Maidstone.

#### *Glasgow*

The Library, West of Scotland College of Agriculture, 6, Blythswood Square.

#### *Harpden*

The Library, Rothamsted Experimental Station.

H. Greene, D. Sc., Rothamsted Experimental Station.

Dr. P. Murphy, Entomology Department, Rothamsted Experimental Station.

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*New Mexico*

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## BIBLIOGRAPHICAL NEWS

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(also Changes of Title, and Cessations)  
from January 1955 onwards

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(since January 1955)

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- SOIL SCIENCE, 1956. VIe Congrès International de la Science du Sol, Paris 1956. Rapports. [Volumes B, C, D and E, covering Commissions 1-6]. Paris, 1956. Also: [Russian reports, Commissions 1-6]. Moskva, 1956. 6 fascicules.
- SOIL & SOIL-AGGREGATE STABILIZATION, 1955. A symposium presented at the 34th annual meeting, Highway Research Board, 1955. (Highway Research Board bulletin 108; Washington, 1955. Price: £1.2.6d).

TISSUE FINE STRUCTURE, 1956. Proceedings of a Conference on Tissue Fine Structure, Harriman, N.Y., 16-18 January, 1956. (Supplement to: Journal of biophysical and biochemical cytology. Free to subscribers; separate, \$5). New York, Rockefeller Institute, 1956.

TRACE ELEMENTS. See: Micronutrients.

VETERINARY MEDICINE, 1955. See above, p. 23. Deutsche Veterinärmedizinische Gesellschaft.

### FORTHCOMING PUBLICATIONS

Forestry. The summary record of the Joint FAO/IUFRO Committee on Bibliography, 1956 (see above, page 35) lists the following projects as in hand:

Multi-lingual glossary of terms used in woods and barks.

Glossary of Technical Terms for use in Indian Forestry. To be revised and translated into Hindi. (Indian Standards Institution, & Forest Research Institute, Dehra Dun).

Glossary of Technical Terms for use in Pakistan Forestry. (Pakistan Forest College and Research Institute, Abbottabad).

A glossary of Hebrew forestry terms. Awaits coining of new words by Academy of Hebrew. (Committee for Forest Terminology, Forest Research Station, Ilanot).

Israel forestry abstracts. (To be published annually in Hebrew and English. Ilanot Forest Research Station).

(The summary record mentions many other publications as projected though not, or barely, in hand.)

Journal of insect physiology. March 1957- . (Pergamon Press, 4-5, Fitzroy Square, London, W.1.)

## GENERAL AND PERSONAL INFORMATION

### EXCHANGE: OFFERS & REQUESTS

The Librarian, Lantbruksbiblioteket vid Helsingfors Universitet, Regeringsg. 3A, Helsingfors, Finland requires:

Agriculture: journal of the Ministry of Agriculture, London, 49.1,5-12; 51.7-8; 52.10,12; 57.9; (1942-51).

In exchange she offers her List of Duplicates for free distribution.

The Director, Centrum voor Landbouwdocumentatie, General Foulkesweg 1A, Wageningen, offers copies of the following bibliographical lists recently compiled (numbers of references given in brackets):

- Methods of seeding of oats, barley and rye (38)
- Soil reclamation and land reform. (31)
- The milk bail (18)
- Plant propagation (17)
- Determination of standing crop volumes in forestry (50)
- Price forecasting of farm products (124)
- Shipping of fresh fruits from subtropical countries (8)
- Planning for the establishment of farms (29)
- Storage of beet (59)
- Dutch publications on Brussels sprouts (13)
- Analysis of proteins in milk (23)
- Insecticides in living trees (21)
- Spotted wilt and bushy stunt virus on tomatoes (17)
- Chinchilla breeding (8)
- Animal husbandry in Suriname and New Guinea (13)
- Banana growing (10)
- Papaya growing (46)
- Land grading (174)
- Revolving capital plan (9)
- Books on land reclamation (14)

Rothamsted Experimental Station Library, Harpenden, Herts, England, offers the following duplicates gratis on request:  
Woburn Experimental Fruit Farm. Report, 6, 7, 10-17; 1906-1920.

Annalen der Landwirtschaft in den Königlich Preussischen Staaten... (Salviati). 24-26. Berlin, 1866-68.  
 Verhandlung der 6. Kommission der Internationalen Bodenkundlichen Gesellschaft, Zurich 1937, Teil B. Transactions of the 6th Commission of the International Society of Soil Science, Zurich 1937, Volume B. Bern, 1938.  
 Indian Academy of Sciences. Proceedings. 22A and 22B; 1945.  
 Die Ernährung der Pflanze. Berlin. 32. 20-24 (1936); 33.24 (1937); 34.4,6,9-24(1938); 35.1-8(1939).  
 Chemical abstracts. 18.8(1924); 19.2(1925); 20.4(1926); 21.9, 11,12,14-17 (1927); 23.4(1929).

### INSTITUTIONS

- ETH, Zürich. *Eidgenössische Technische Hochschule 1855-1955*. Zürich, Neue Züricher Zeitung, 1955. Pp. xix, 723.
- Home Grown Threshed Peas Joint Committee. *Now called* (1956-) Pea Growing Research Organisation Ltd.; runs the Pea Research Station, Yaxley, Peterborough.
- Irrigation research in New South Wales. In conjunction with the Water Conservation and Irrigation Commission the New South Wales Department of Agriculture is establishing an Irrigation Research Centre at the Department's Yanco Experiment Farm in the Murrumbidgee Irrigation Area. (J. Australian Inst. Agric. Sci. 22 (1956), 222).
- Life and work at Canterbury Agricultural College: the first 75 years of the agricultural college at Lincoln, N.Z.*... Prepared in commemoration of the 75th anniversary... by Ian Douglas Blair. Christchurch, Caxton Press, 1956. Pp. 448; price £2.2.0d.
- Naniwa University, Osaka Prefecture, Japan, changed its name about 1955 to: University of the Osaka Prefecture.
- U.S. Department of Agriculture has announced that the Colorado Agricultural and Mechanical College, Fort Collins, Colorado has been selected as the site of a new National Seed Storage Laboratory - a facility to store valuable germ plasm for future use in developing better crops. Funds totalling \$450,000 for construction of the laboratory were included in an appropriation bill passed by Congress this year.
- Longwood Gardens of the Longwood Foundation has announced a grant to the U.S. Department of Agriculture's Plant Introduction Section to support the exploration and introduction of new or little known plants of potential value to ornamental horticulture in the U.S. Under the cooperative agreement recently consummated, the USDA will undertake exploration for ornamental plants in Japan, Yokushima, and the Ryukyu Islands



during 1956 and 1957.

Washington, D.C. Armed Forces Medical Library. From 1 October 1956 the name of this library is changed to: National Library of Medicine.

The Australian Society of Soil Science was recently formed with the objects of advancing soil science, with particular reference to Australia and providing a link between soil scientists and members of kindred bodies within Australia and in other countries. (J. Australian Inst. Agric. Sci. 22(1956),223).

### FORTHCOMING CONGRESSES

**AGRICULTURAL PRODUCTION.** International Federation of Agricultural Producers. 9th General Assembly. Lafayette, Indiana, May 20-30, 1957. Further information from the Federation's office, 712 Jackson Pl. Washington 6, D.C.

**MECHANIZATION OF AGRICULTURE.** C.C.T.A. *Inter-African Committee on the Mechanization of Agriculture.* Acting upon the recommendations of the Conference on the Mechanization of Agriculture held at Entebbe in 1955 by the Commission for Technical Co-operation in Africa South of the Sahara (C.C.T.A.), the Secretariat of C.C.T.A. has called a preliminary meeting of an Inter-African Committee to be held at the National Institute of Agricultural Engineering, Silsoe, Beds., England, in December 1956. It is expected that this meeting will recommend the establishment of such a Committee on a permanent basis, its Secretariat being located at Silsoe. The new Committee would meet biennially and its main functions would be to stimulate the exchange of technical information on agricultural mechanization in Africa. It would achieve this by publishing a bulletin and by providing for its Technical Secretariat to make occasional fact-finding tours overseas.

**SCIENTIFIC INFORMATION.** An international conference on scientific information will be held in Washington in 1958, sponsored by the American Documentation Institute, the National Academy of Sciences and the National Science Foundation. (Dr. Thompson, Office of Scientific Information, National Science Foundation, Washington).

**SOIL IMPROVEMENT.** Congress on soil melioration, reclamation and land reform. To be held at Wageningen, Netherlands, 6-24 May 1957.

# INDEX TO BIBLIOGRAPHIES IN THE U.S.D.A. 'BIBLIOGRAPHY OF AGRICULTURE'

compiled by

RUDOLF LAUCHE and HERTHA KUS (Braunschweig)

(This item, which will be continued in future issues, is designed to guide our readers quickly to bibliographies recorded in the U.S.D.A. Bibliography. In general, only bibliographies recognizable as such from their title are included. The information given is: *Column 1*, Number in U.S.D.A. Bibliography; *Column 2*, Subject; *Column 3*, Number of pages; *Column 4*, Whether published in a periodical (p) or as a monograph (m).

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30671	Windbreaks: Europe	4 m	44
30672	Forest & range 1905-1954	53 m	45
30685	Range ecology	2 m	45
30865	Forest products: Madison 1955	16 m	45
30925	Paper: Chemical Analyses	15 p	45
30932	Paper: Tests	70 m	46
31194	Sugar beet: feed value	2 m	46
31335	Parasitology: Books [Russ.]	3 m	46
33575	Ephemeroptera	3 p	46
33573	Mayflies	4 p	
34053	Roadside marketing	2 m	46
34125	Fruits & vegetable: conservation with radiation	14 m	46
35102	Corn flakes	7 m	46
35241	Livestock	4 p	48
35774	Periodicals: Denmark	160 m	48
36074	Spain: Agric. history	9 p	49
36454	Extension work: Germany	52 m	49
36525	Food & human nutrition	10 m	49
36626	Food & human nutrition	22 m	49
36627	Food & human nutrition	72 m	49
36663	Coconut as food	35 m	49
36698	Puerto Rico: Publ.	4 m	50
36814	US: Publ. 1955/1	10 m	50
	20.5 (May 1956)		50
36932	Flora Malesiana	144 ?	51
38012	Agriculture: France	275 p	51
38304	Sugar cane	10 m	52
38362	Gardens & gardening	310 m	53
38448	Pineapples	4 p	53
39553	Snow - ice - frost	1 p	54
39714	Forest: Publ.: 1949-1955	16 m	54
39885	Forest management	42 m	54
40613	Vet. Med.: Classification for libr.	278 m	54
42139	Entomology	2 p	54
42174	Entomology: ectoparasites: birds & mammals	10 p	54
42181	Insect-resistance: dieldrin	4 p	54

2 m	42601	Midges	72 p
4 m	42765	Entomology: Italian fauna	2 p
16 m	43437	Food research: Advances in food res. Vol. 6	398 p
319 m	43504	Economics: Canada: Publ. 1954-55	13 m
6 m	44057	Cheese: Neufchatel	6 m
1 m	44322	Chicory	16 m
41 m	44323	Citrus	24 m
1 m	44503	Fruit-juice: sterilization	6 m
3 m	44504	Fruit-juice: ions	18 m
4 m	44970	Oil in grape-pips	16 m
53 m	45182	Sugar	15 m
2 m	45371	Economics: Publ.: Reading Univ. 1951-1955	6 m
16 m	45530	Costa Rica: Theses	20 m
15 p	45977	Bulgaria: Publ. [Russ.]	3 p
70 m	46007	Bulgaria: Publ. [Russ.]	2 p
2 m	46023	Czechoslovakia: Publ.	5 p
3 m	46082	Portugal: Central Libr. Ministry of Agriculture	1 p
3 p	46406	Home economics: 1954-1955	59 m
4 p		20.6 (June 1956)	
2 m	46508	Botany: Mexico	57 p
14 m	46664	Hepaticae	5 p
7 m	46706	Lichens	5 p
4 p	48322	Currants: Cultivation	37 m
160 m	48768	Soil Science: Publ. Poland	4 p
9 p	49128	Water resources	20 m
52 m	49290	Forest products: 1953/54	15 m
10 m	49836	Sawmills	3 p
22 m	49863	Wood drying	3 p
72 m	49872	Wood seasoning	18 m
35 m	49975	Glue & veneers	22 m
4 m	50305	Vet.-Med.: Books	98 m
10 m	50347	Vet.Med.: zoology	402 m
	50956	Vitamin E: in nutrition of turkeys	28 m
144 ?	51365	Entomology: Marcel Caruel: Publ. 1893-1955	4 p
275 p	51529	Apiculture: Armbruster, L.: Publ.	7 p
10 m	52692	Parity prices	4 m
310 m	53126	Milk prices	35 m
4 p	53457	Cassava	11 m
1 p	54163	Sugar cane	8 m
16 m	54233	Sugar: sterilization	9 p
42 m	54460	Economy & sociology: Theses 1945-1955	117 m
278 m	54526	Scandinavia: Publ.	78 m
2 p	54527	Scandinavia: Publ.	82 m
10 p	54690	Land & water utilization	347 m
4 p	54719	Sociology: [Portuguese]	35 m

54734	Rural fiction	2 m
54796	Cornell Univ. Publ.	36 m
54939	Human nutrition: Indonesia	135 m
55086	Meteorology: Germany	129 m
55095	Bibliographies in agric. res. [Swed.]	26 p
55145	Agric. Engineering: Germany: Landw. Zentralbl.	— p
55146	Animal Breeding & -feeding Landw. Zentralbl.	— p
55147	Vet.-Med.: Germany: Landw. Zentralbl.	— p
	20.7 (July 1956)	
55206	Botany: Southwestern Asia	230 p
55238	Botany: Indochina	24 m
55273	Plants: Geographical distribution	70 p
55460	Musci: systematics	17 p
55476	Algae: systematics, phylogeny	93 p
55514	Fungi: systematics	9 p
56026	Viruses	37 p
56100	Nematodes: potatoes	15 p
56122	Ecology	19 p
56157	Plants: Geogr. distribution	32 p
56196	Cells: morphology	15 p
56247	Morphology	11 p
56281	Evolution & propagation	56 p
56283	Cytology	27 p
56286	Morphology & anatomy	35 p
56333	Plant Physiology	49 p
56444	Plant Physiology	20 p
56553	Plant Physiology	24 p
56610	Plant Physiology	28 p
56664	Plant Physiology	43 p
56686	Plant Physiology	15 p
56721	Plant Physiology	70 p
57061	Abacá	23 p
58674	Forestry: Oxford system	4 p
58675	Forestry: Society's Library	7 p
58679	Forestry: terminology	4 p
58966	Forestry: genetics	18 m
59205	Forestry: Marine borers	346 m
59352	Christmas trees	2 m
59654	Cattle breeding	25 m
60731	Entomology: Alpio de miranda ribeiro [Portug.]	5 m
60749	Entomology	6 m
60767	Entomology: India 1938-1950	119 m
62301	Food Res.: Stanford Univ.: Publ. 1951-1956	12 m
62628	Estragon	8 m
62915	Dairy products: Processing	11 p

2 m	63499	Fruits & vegetables: conservation	18 p
36 m	63903	Oils & fats	16 p
35 m	64478	Germany: Inst. für Versuchs- u. Untersuchungswesen	
29 m		in Rostock: Publ.	11 p
26 p	65186	Calif. Agr. Exp. Sta.: Publ.	32 m
— p	65200	Hooghoudt: Publ.	23 m
— p	65332	Forestry: Bibliogr. Vol. 1.1955 ff.	— p
— p		20.8 (August 1956)	
30 p	65412	Flora Ottawaensis	4 p
24 m	65603	Pesticides	2 p
70 p	65634	Plant protection: Brazilia [Portug.]	38 p
17 p	65825	Viruses: plants	28 p
93 p	65943	Algae: Ecology	73 p
9 p	66108	Plant physiology	29 p
37 p	66136	Plant physiology	20 p
15 p	66173	Plant physiology	20 p
19 p	66241	Plant physiology: USSR	36 p
32 p	66341	Cell division: Plants	34 p
15 p	66355	Seed germination: Physiol.	25 p
11 p	66356	Root elongation	30 p
56 p	66363	Plant physiol.	17 p
27 p	66373	Photoperiodism: woody plants	24 p
35 p	66374	Light: effects on plants	128 p
49 p	66391	Carbohydrates: effects on plants	32 p
20 p	66401	Plant proteins	22 p
24 p	68048	Soil erosion	239 m
28 p	68148	Forestry: Bibliogr. 1955	— m
43 p	68613	Wood & furniture: Processing	4 m
15 p	68941	Hormones: domestic animals	11 m
70 p	69209	Calf & swine: feeding	13 m
23 p	71738	Dairy products	13 m
4 p	71936	Fibres 1948-	79 m
7 p	72314	Rice: Institutions & periodicals	28 m
4 p	72509	Oils & fats	24 p
18 m	72734	Bacteria: culture	22 m
346 m	72755	Economy & sociology: theses 1945-1955	167 m
2 m	73566	Pesticides	2 p
25 m	73651	Missouri Agr. Exp. Sta.: Publ.	8 m
5 m		20.9 (September 1956)	
6 m	73732	Plants: Publ. 1936-1953	10 p
119 m	76040	Iodine: geochemistry 1825-1954	150 m
12 m	76162	Soil microbiology: Publ. 1953-1954 [Polish]	8 p
8 m	76679	Forestry: Classification for library	6 m
11 p	76849	Forest soils: Pacific Northwest	5 m
	77090	Wood preservation	22 m

77177	Pulp & paper	48 p	9082
77880	Vet. Med.	97 m	9091
79033	Colorado beetle [Russ.]	35	9112
80119	Agric. Product: Consump. utiliz.	8	9120
80170	Pesticide toxicology	2	9128
80329	Coffee	16 m	9138
80330	Coffee: tannin	6 m	
80835	Cotton	31 m	9139
81378	Meat: Packing	31 m	
82665	Minor elements in nutrition	430 m	
82807	Home management	126 m	
82827	Meteorology	107 m	
	20.10 (October 1956)		
82941	Pollen: Chemistry	17 m	
82990	Flora: Korea	32 p	
83208	Pesticides: Chemistry	334 m	
83701	Plant morphology	43 p	
83776	Chromosomes: plants	134 p	
84403	Fungi: chemistry	32 p	
84587	Barley	4 m	
84588	Rice	2 m	
84816	Pomegranates	2 p	
84959	Rhododendron	6 p	
85706	Drainage	200 p	
85861	Erosion:	31 m	
85940	Forestry: Haupt Chapman bibliogr. 1896-1956	48 m	
85947	Forestry: Older books	4 p	
86730	Ophthalmology: Vet. Med.	356 m	
86747	Vet. Med.: Periodicals	6 m	
87598	Brucellosis: poultry [Polish]	7 p	
88086	Entomology	258 m	
88091	Entomology	10 p	
88102	Entomology: Finnish lit.	18 m	
89327	Agric. Products: Publ. & patents	11 m	
89328	Agric. Products: Publ. & patents	11 m	
89333	Marketing: Southeastern States	83 m	
89567	Cheese	6 m	
90153	Grain products	9 m	
90228	Buckwheat	5 m	
90236	Wool fat	4 m	
90485	Rubber: Classif. for lit.	1 p	
90500	Rubber	1 p	
90509	Rubber	1 p	
90536	Sugar	4 m	
90792	Labour management	4 m	



48 p	90826	Germany: Westphalia: lit.	38 p
97 m	90913	USDA: Books & period.	26 m
35	91123	Extension Research 1949-1953	49 m
8	91204	Education	89 m
2	91280	Cooperative organization	19 p
16 m	91385	Human nutrition: Publ.: Potsdam: Inst. für	
6 m		Ernährungsforsch.	23 p
31 m	91390	School lunches	17 m
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30 m			
26 m			
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# PROBLEMS OF LATIN AMERICAN AGRICULTURAL LIBRARIES AND PROPOSED PROGRAM OF ACTIVITIES OF THE INTER-AMERICAN ASSOCIATION OF AGRICULTURAL LIBRARIANS

*(Paper presented at the Foundation Meeting of  
IAALD, Ghent, September 1955)*

BY

ANGELINA MARTINEZ (TURRIALBA)

## BACKGROUND

The Inter-American Institute of Agricultural Sciences located at Turrialba, Costa Rica, is an institution devoted to research, graduate studies, and extension in the field of agriculture and related sciences. It represents the concerted efforts of a number of American nations working together with the objective of improving the agriculture of the region, raising the level of production, and bettering the living conditions in the less developed areas.

In carrying out its program and varied activities, the Institute became aware of the fact that most of the libraries of Latin American agricultural colleges, research stations, and ministries of agriculture were inadequate to serve the needs of technicians in charge of the agricultural programs being undertaken in the different countries. This led to a survey of the agricultural library facilities and research potential of the area which was undertaken by Dr. Ralph R. Shaw and Messrs. Arthur E. Gropp and Armando Samper. The results of this study revealed that most agricultural scientists in the Latin American countries do not have access to good reference and working library collections.<sup>1</sup>

A program for the improvement of scientific communications in agriculture was started by the Institute in an effort to remedy some of the needs and problems highlighted by the report on the evaluation of resources already mentioned. For the most part this program has channelled its efforts in the publication of a journal and other bulletins and in supplying individual scientists and libraries with photostatic copies of articles not otherwise within their reach, short

SHAW, R. R., SAMPER, A. & GROPP, A. E. Facilidades de intercomunicación científica agrícola en América Latina. Turrialba, Costa Rica, Instituto Interamericano de Ciencias Agrícolas, 1953. 71 p. (*Publicación Miscelánea no. 3*)

bibliographies, etc. The journal is published in two sections, one of which is entirely devoted to bibliographical lists and abstracts, the other to scientific articles.

The First Meeting of Latin American Agricultural Librarians convened by the Institute was a direct result of the study made of the library resources and the communications program started by the Institute. The meeting was held in Turrialba, Costa Rica from August 17 to September 4, 1953 and was attended by delegates of fifteen Latin American countries and the United States and also by representatives of the United Nations Educational, Scientific and Cultural Organization, the American Library Association, the Caribbean Commission, the Pan American Union, the Inter-American Housing Center, and the Inter-American Institute of Agricultural Sciences. The forty-one participants were divided into two discussion groups and four working committees. One group was in charge of studying the library's technical processes, while the other considered the different services and activities which should be supplied by agricultural libraries. The working committees concentrated on specific problems and prepared reports on their assignments. These committees worked on the following projects: (1) a basic reference and research collection in agriculture; (2) technical processes in agricultural libraries; (3) bibliographical citations in the agricultural and related fields; and (4) inter-library co-operation. The background material for the use of these committees was supplied by the seventeen working papers which were prepared by professional librarians prior to the meeting. The general meetings were devoted to discussions of the problems involved in the organization and management of agricultural libraries and presentation of the projects by the different committees.

It is not my intention to go into a thorough discussion of this meeting. Two volumes containing its organization, recommendations, and background papers were issued at the end of the sessions and can be obtained from the Scientific Communications Service of the Institute.<sup>1</sup>

Summing up we can say that this meeting accomplished the following objectives:

1. It brought together a group of individuals engaged in the same type of activity and faced with the same general problems and provided them with an opportunity to exchange ideas freely and to establish friendly relations and professional contacts.

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REUNION TECNICA DE BIBLIOTECARIOS AGRICOLAS DE AMERICA LATINA  
Informe final. Compilado por Carlos Víctor Penna. Turrialba, Costa Rica. Instituto Interamericano de Ciencias Agrícolas, 1953. 2 vols. (mimeographed)

2. It served to reveal fundamental difficulties or problems which hamper the development of good agricultural research and reference library collections in the Latin American countries, i.e., it became an expression of the needs based on the experience accumulated by the participants in their jobs.

3. It laid the groundwork for continued consultation, exchanges, and other cooperative activities by launching the Inter-American Association of Agricultural Librarians.

In other words, it was not a meeting in which a few professional acquaintances were made, but one which laid the foundation for a permanent structure to deal with the agricultural library problems in Latin America.

This paper is an attempt to define and analyse the problems which impede proper progress in the organisation and development of the agricultural library service in Latin America and to suggest the more general framework of activities which could be undertaken by the newly created Association in their solution.

#### PROBLEMS CONNECTED WITH THE AGRICULTURAL LIBRARY SITUATION IN LATIN AMERICA

We have enough evidence on hand to indicate that the majority of the libraries in the agricultural colleges, research stations, and ministries of agriculture of the Latin American countries are very inadequate from the standpoint of organization and use. For the most part the collections are restricted and composed of old materials, inadequately housed and lacking in systematic organization. Most of the personnel in charge of these libraries do not have any professional training and some have never been to a university or an institution of higher learning.

There are many factors which contribute to this state of affairs. Penna<sup>1</sup> classifies these factors into two major groups: (1) the external factors, representing economic, cultural, and social development, and (2) the internal factors, or those peculiar to the library profession *per se*.

PENNA, C. V. Library development in Latin America and the Caribbean: achievements and handicaps. In: Carnovsky, L., ed. International aspects of librarianship; papers presented before the 18th. Annual Conference of the Graduate Library School at the University of Chicago. Chicago, University of Chicago Press, 1954. pp. 89-97.

### *External Factors*

There is no doubt that the economic development, social environment and cultural climate of a nation have a tremendous influence over all the activities undertaken by its nationals and its institutions. All the Latin American Republics do not follow the same pattern of development and there are great differences in the state of literacy of the various countries. Library services in these countries must of necessity meet the needs of peoples with basically different cultural traditions and at diverse stages of economic, cultural, and social development. It is natural, therefore, for these peoples to have different traditional habits of thought and expression and to develop sets and standards of values difficult to comprehend according to the standards of other areas.

It is difficult for some to understand why the library of a university is not a functional part of its teaching program, or how a research institution can function without the latest journals and bibliographic aids. This can easily be explained by the fact that the library's role in education and research is not sufficiently appreciated or understood in Latin America.

Some put the blame for this situation on a false sense of nationalism. Libraries contain books and other publications which carry the seed of the so-called "foreign influence" so often thoroughly distrusted and disliked. The idea of books and libraries as being part of the equipment needed for teaching and research is often rejected as incompatible with the Latin personality and cultural idiosyncrasy. Provincialism is also shown by many who fail to appreciate that much of the significant literature in science is not published in the Spanish and Portuguese languages.

In most Latin American universities teaching is done by means of lectures and perhaps the occasional use of a textbook. Graduate training is not offered because adequate facilities for research and study are lacking. Many professors have to supplement their income with part-time employment outside the university, hence they do not have time to visit the library in search of reading assignments for their students or to sit at the laboratory bench in quest of the answer to a research problem. This lack of research and study facilities extends to other institutions like experiment stations, ministries of agriculture, etc. When no research is undertaken and no graduate training is offered the need for good library services is not so keenly felt or appreciated. Research work or graduate study cannot be carried out unless both staff and students have access to good library and laboratory facilities.

Many agricultural institutions are comparatively poor, a factor which is naturally reflected in the library budget to the extent that the services of the library have to be pitifully limited.

It is a temptation to speculate on the nature and solution of the external factors which hamper the development of good functional libraries in Latin America. We must not fail to realize that library development is part and parcel of economic and social progress and that it is both a symptom and a cause of social change. To my understanding this is a problem of supply and demand which will ultimately find its solution through the progressive raising of the economic, cultural, and social levels of living in the Latin American countries.

The conditions which have been outlined may sound very discouraging and hopeless in many respects. However, several forces are at work which are bound to give an impetus to the development of libraries in Latin America. Many of the countries in this hemisphere are reaching economic stability, developing their national resources and industries, and taking advantage of the technical cooperation programs sponsored by several international agencies and the United States. Many Latin American research men, professors, and other professionals have been trained in foreign countries and many foreign technicians have gone to Latin America to work in universities, research stations, and other institutions. A program of bilateral cooperation between given universities in Latin America and the United States has been started and is being actively promoted. This program lends cooperation in assisting the Latin American universities to review their curricula and to equip themselves with the necessary personnel and facilities (laboratories, libraries, etc.) to carry on the responsibility of training their students adequately in the scientific and technical fields.

Such developments are creating an increasing concern over the library problem and will stimulate a demand for efficient library services far in excess of what the existing libraries can provide. So far the absence of general support has impeded the provision of good library services, but if this new spirit of awareness is coupled with a higher degree of responsibility on the part of the library profession, Latin Americans will soon have access to good functional and well organized libraries.

#### *Internal Factors*

The internal factors, or the problems pertaining to librarianship *per se*, are to a certain extent dependent on the conditions described under the preceding section. When the economic situation of a country is poor it follows that all its educational institutions, including the library, will have little or no means to carry out their programs. In culturally backward countries the library will not receive the cultural support that it needs and the apathetic attitude of the public and governmental officials to the advantages of ade-

quate library facilities will be a stumbling block in its development. The principal obstacles touching directly on the library and hampering its growth are connected with personnel, the acquisition of printed materials and physical facilities.

Most of the agricultural libraries in the Latin American countries are in the hands of untrained personnel of the clerical type. The majority of these people do not have any professional training in library science, are unfamiliar with agriculture as a subject field and lack a reading knowledge of foreign languages. Many do not even have the equivalent of a high school education. There are several factors which are responsible for this situation. A particularly grave aspect of this problem is the extremely low salaries paid in library positions. For the most part librarians have to supplement their income with part-time employment outside the library. This makes it difficult to attract the ablest and most promising young people into the profession. Trained librarians do not usually get the professional rating they deserve and are not considered in the same category as other professionals with similar training and experience. Although there are several library schools in Latin America there are not enough to cope with the problem adequately. Furthermore, these schools are not in a position to offer training in special librarianship.

Most librarians do not have the means to keep an up-to-date collection of agricultural publications. Technical books and periodicals are rather expensive and the majority of the libraries cannot afford them. Certain barriers exist such as customs and postal restrictions and the inability to obtain dollars for the purchase of foreign publications which make the situation almost hopeless. Although UNESCO provides a book coupon scheme permitting payment for foreign publications in the country's own currency many libraries cannot avail themselves of this opportunity because their governments have failed to subscribe to this scheme.

The exchange of publications is not widely used as a means of acquisition. In many instances libraries do not have any materials to offer in exchange thus making it impossible to enter into exchange relations with other libraries and institutions. Postal rates and tariffs sometimes make exchanges needlessly expensive and difficult.

One factor which limits acquisitions is the lack of agricultural books in Spanish authoritatively written and of Spanish translations of current materials from other languages. Many Latin American technicians tend to be discouraged at the thought of having to read the literature in a language other than their own.

The absence of national bibliographies and trade lists for publications in the Spanish language also makes it difficult to know what is being published currently in Latin America and Spain. The



publishing output of the Spanish and Portuguese speaking countries is practically unknown because of lack of adequate bibliographic tools.

Agricultural libraries for the most part are housed in small, overcrowded quarters without provision for expansion. Usually one room is used as a reading, stack, and work room. When no more shelf space is available the publications are kept in piles on the floor. Their equipment consists mostly of a table, a few chairs, a typewriter and, in some instances, a desk for the librarian. Supplies are scarce and working conditions in general are not satisfactory. It is rather evident that no collection can be kept in any systematic order under such conditions. Fortunately there is a trend to move institutions into new quarters where usually more adequate physical facilities are provided for the library.

The situation which has been described is not confined to agricultural libraries and librarianship. Many other libraries operate under the same restrictions. Librarians have been aware of these problems for a long time and have persistently struggled to improve conditions for the last twenty years. They have managed to establish several professional schools, organize library short courses, publish a few manuals on library theory and practice and form national associations of librarians. They have also appealed to the governmental authorities for the help and recognition needed to fulfil all the requirements of the profession. A lot remains to be done, but it is encouraging to know that at least some progress has been made in the right direction.

*[To be concluded]*

#### CORRIGENDA

Q.B.I.117. *For:* Maracay. Universidad Central de Venezuela. Facultad de Agronomía. *Revista.* *Read:* Maracay. Universidad Central de Venezuela. Facultad de Agronomía. *Revista:* Alcance.



## A NOTE ON THIS QUARTERLY BULLETIN

The editorial office is at the Library, Rothamsted Experimental Station, Harpenden, Herts., England.

Communications regarding it should be sent to Mr. D. H. Boalch at that address.

News in the field of the bibliography and documentation of agriculture and allied subjects is welcomed. Short articles (about 1500 words) and letters to the Editor will be published in the Quarterly Bulletin from time to time; these should be in English, French, German, or Spanish. Articles, in whatever language they are written, should have an English summary.

*Note:* This Quarterly Bulletin is obtainable through membership of the International Association of Agricultural Librarians and Documentalists. The annual subscription of 50 Swiss francs (£4.2.6d; \$12.50) for Institutes or Libraries, or 10 Swiss francs (£0.16.6d; \$2.50) for individuals, should be sent to the Treasurer, Th. P. Loosjes, Twentse Bank, Wageningen, Netherlands.

The Quarterly Bulletin is now available also to nonmembers of the Association at an annual subscription of 50 Swiss francs (£4.2.6d. or \$12.50, the same rate as for institutional membership), payable to the Treasurer, Th. P. Loosjes, at the address given above. The Executive Committee of the Association decided to make this arrangement because certain institutes are unable to take up membership and so are debarred from receiving the Bulletin.